INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/007158

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H03M13/29

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	US 2002/099996 A1 (DEMURA MASAYUKI ET AL) 25 July 2002 (2002-07-25) page 1, paragraph 1 page 4, paragraph 44 page 5, paragraphs 47,48 page 6, paragraph 55-57 page 6, paragraph 61-64 page 7, paragraph 71 - page 8 figures 5,6,8,9	1-10
X	EP 1 104 114 A (SANYO ELECTRIC CO) 30 May 2001 (2001-05-30) page 1, paragraph 5 - page 2, paragraph 20 page 8, paragraph 85 - paragraph 93 figures 11,16 -/	1-10

Further documents are listed in the continuation of box C	Patent family members are listed in annex	
*Special categories of cited documents *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filling date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document reterring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken atone "Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 	
Date of the actual completion of the international search	Date of mailing of the international search report	
8 December 2004	17/12/2004	
Name and mailing address of the ISA	Authorized officer	
European Patent Office, P B 5818 Patentlaaл 2 NL – 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx 31 651 epo nl, Fax (+31-70) 340-3016	Bauer, R	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT						
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
	US 6 032 283 A (MEYER JACQUES) 29 February 2000 (2000-02-29) cited in the application abstract	1-10				

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